

IMS Infrasound Network – Station and Engineering Projects

The infrasound component of the International Monitoring System (IMS), often referred to as the IMS infrasound network, is composed of sixty stations. Fifty-one of these stations are already certified and transmit data in near real-time to the International Data Centre, Vienna, Austria. The Provisional Technical Secretariat (PTS) of the Preparatory Commission for the Comprehensive Nuclear-Test-Ban Treaty (CTBTO) is actively working on the completion and the sustainment of the IMS infrasound network. In this presentation, the recent achievements related to the installation and major upgrade of IMS infrasound stations will be presented. The main infrasound engineering and development projects carried out by the PTS will also be reviewed. This includes projects to improve station reliability and resilience, data availability and measurement quality with the objective to reach compliance with all the requirements defined in the IMS Operational Manual.

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